

SECRET

23 April 1962

MEMORANDUM FOR: Chief, Technical Plans &amp; Development Staff

SUBJECT: Staff Study, "Changes in Type 829C [ ] Comparator Requirements"

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1. Problem

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At the Technical Development Committee meeting on 12 April 1962, the purchase of two type 829C [ ] Comparators at [ ] each was approved. Since the proposal was submitted for the comparators, additional considerations by TID has changed the requirements.

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2. Facts

The original proposal from [ ] on the type 829C Comparators was solicited on the basis of using shelf items to insure the fastest possible delivery time. Since receipt of the proposal, TID/TAB has studied the problem and has concluded that a change in magnification is necessary to most effectively utilize the equipment.

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3. Discussion

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TID/TAB studied the magnification problem in conjunction with the use of the type 829C [ ] Comparators and concluded that some variation in magnification was necessary for proper utilization of the equipment.

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[ ] visited [ ] to discuss the problem, and the [ ] submitted the attached cost revision in response to our requirements. The most satisfactory magnification configuration they could furnish without serious delay in time is for a 5X and 10X magnification. This would not be continuously variable, but would be readily changed by simply moving one lever in the optical train. The additional cost would be [ ]

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In addition, TID/TAB requested a light intensity control and viewing platen protection. In response, [ ] will provide a rheostat control and a spare viewing screen for an additional [ ] for the viewing screen and [ ] for the rheostat.

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4. Conclusions

The proposed accessories to the comparator will increase the versatility of the instrument, allowing more effective use. This is

DECLASS REVIEW by NIMA/DOD

considered essential to meet TID's requirements for which the instruments are being purchased.

5. Recommendation

It is recommended that the accessories for the comparator, totaling [ ] per instrument, be approved for both instruments. Note: Approval was given at the last TDC meeting for the procurement of two comparators.

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[ ]

AS/TDB

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NPIC/TR&DS/TDB: [ ]

April 19, 1962

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The following are accessory items which may be added to the  
Type 829C Comparator quoted in our letter of March 29, 1962.

1. 5X and 10X power lenses and mounts in place of the 7 1/2 x  
power lens and mount
2. Rheostat mounted to table top for control of light intensity
3. Auxiliary screen assembly for projection system

Costs are figured for application to comparator during final  
assembly at our plant. Application will not require the extension of  
delivery required for the comparator.

Terms are 1/2% ten days, net 30 days.

Very truly yours,



CWZ:pc